

# **SUPERIOR OIL**

July 24, 1984

Mr. Ron Firth  
Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

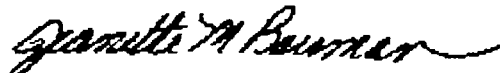
Re: Proposed Lone Mountain Canyon #1-12  
2230' FNL, 530' FWL,  
Section 1-T42S, R24E  
San Juan County, UT

Dear Mr. Firth:

The attached Application for Permit to Drill for the above referenced well is staked on an unorthodox location in accordance with Rule C-3(c) General Rules and Regulations and Practice and Procedure. An exemption is requested based primarily on interpretation of existing seismic lines. Previous experience in the area warrants proximity to existing data a must, as these features are small and discrete.

We would appreciate your cooperation on this matter.

Sincerely yours,



Jeanette M. Bauman

JMB/dt  
Attachment

cc: W. E. Pritchard  
W. E. Edwards

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

2230' FNL, 530' FWL OF SEC. 1

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

9 miles southeast of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

530'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

4500'

19. PROPOSED DEPTH

5580'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL: 4656'

22. APPROX. DATE WORK WILL START\*

August 15, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 17-1/2"      | 13-3/8"        | 54.5#           | 120'          | 150 sx to surface  |
| 12-1/4"      | 9-5/8"         | 36#             | 1450'         | 750 sx to surface  |
| 8-3/4"       | 7"             | 23#             | 5580'         | 500 sx             |

Superior Oil proposes to drill the subject well and complete in the Ismay and/or Desert Creek formations.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE 7/8/1/84  
BY John R. Bays

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

T. Greg Merriam  
T. GREG MERRIAM

TITLE

PETROLEUM ENGINEER

DATE

7-12-84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

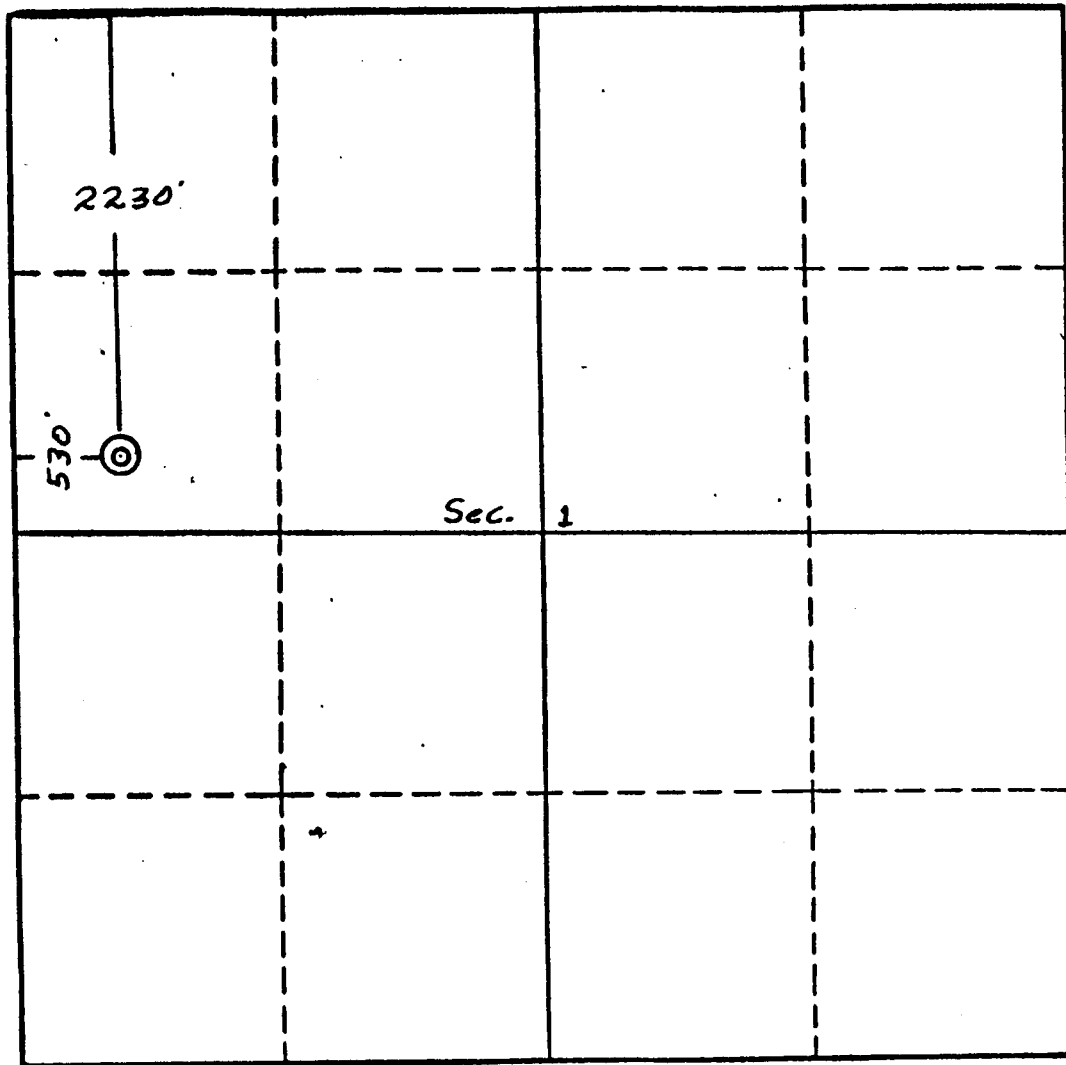
DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Company Superior Oil Company  
Well Name & No. Lone Mountain Canyon No. 1-12  
Location 2230 feet F/NL 530 feet F/WL  
Sec. 1, T. 42 S., R. 24 E., S. L. M., County San Juan, Utah  
Ground Elevation 4656



Scale, 1 inch = 1,000 feet

Surveyed July 5, 1984

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:



Edgar L. Risenhoover  
Edgar L. Risenhoover  
Registered Land Surveyor  
New Mexico Reg. No. 5979

# SUPPLEMENT TO FORM 3160-3

WELL: Lone Mountain Canyon #1-12

ELEVATION: 4656' GL

SURFACE FORMATION: Dakota

| ESTIMATED FORMATION TOPS: | <u>Formation</u>   | <u>Top</u> |
|---------------------------|--------------------|------------|
|                           | Chinle             | 1403'      |
|                           | DeChelly           | 2383'      |
|                           | Organ Rock         | 2648'      |
|                           | Hermosa            | 4348'      |
|                           | Ismay              | 5198'      |
|                           | Lower Ismay        | 5316'      |
|                           | Gothic Shale       | 5350'      |
|                           | Desert Creek       | 5368'      |
|                           | Chimney Rock Shale | 5528'      |
|                           | TD                 | 5580'      |

WATER BEARING FORMATION: Fresh water is expected to be encountered intermittently from 30' to 1403'.

HYDROCARBON BEARING FORMATION: Oil & gas could be encountered in the Ismay and Desert Creek from 5198' to 5528'.

MUD PROGRAM:

Surface to 120' - spud mud.

120' to 1450' - fresh water.

1450' to 2280' - fresh water/gel/polymer.

2280' to 5100' - lignosulfonate mud system 100' above DeChelly.

5100' to TD - lignosulfonate mud system. Water loss controlled to 15 cc or less and weighted with barite as necessary.

| CASING PROGRAM: | <u>Depth</u> | <u>Size</u> | <u>O. D.</u> | <u>Weight</u> | <u>Grade</u> | <u>Type</u> |
|-----------------|--------------|-------------|--------------|---------------|--------------|-------------|
| Conductor       | 0-100'       | 17-1/2"     | 13-3/8"      | 54.5#         | K-55         | ST&C        |
| Surface         | 0-1450'      | 12-1/4"     | 9-5/8"       | 36#           | K-55         | ST&C        |
| Production      | 0-5580'      | 8-3/4"      | 7"           | 23#           | K-55         | ST&C        |

ALL CASING WILL BE NEW.

(2)

CEMENT PROGRAM: Conductor - cement to surface w/ 150 sx Class 'B' + 2% CaCl.  
Surface - cement to surface w/ 600 sx Lite + 10#/sk Gilsonite + .4% LoDense + 5#/sk LCM & 150 sx Class 'B' + 2% CaCl.  
Production - 500 sx Class 'B' + 1.7% D-29 (anti-migration additive) + .3% R-5 (retarder). Est TOC: 4500'.

PRESSURE CONTROLS: Blowout preventer equipment will be 10" Series 900 (3000 psig working pressure) with blind rams and drill pipe rams hydraulically and manually controlled. The BOP's will be tested to 1500 psig and actuated daily to insure proper functioning. The schematic of the pressure control equipment can be seen on the attached diagram.

LOGGING PROGRAM: DIL/SFL/GR: TD to 1450' (GR to surface).  
CNL/FDC/GR/CAL: TD to 5300'.  
BHC/SONIC/GR/CAL: TD to 1450'

HIGH PRESSURE AND/OR H<sub>2</sub>S GAS: High pressure gas or gas containing detectable H<sub>2</sub>S are not anticipated while drilling this well.

DRILL STEM TESTS: 1 - Desert Creek (5370'-5500')

CORING: None.

ANTICIPATED STARTING DATE: August 15, 1984.

# **SUPERIOR OIL**

July 24, 1984

Mr. Matt N. Millenbach  
Area Manager  
U. S. Department of The Interior  
Bureau of Land Management  
Caller Service 4104  
Farmington, New Mexico 87499

Re: Surface Use Development Plan  
Proposed Well Lone Mountain Canyon 1-12  
2230' FNL, 530' FWL  
SWNW Section 1, T42S, R24E  
San Juan County, Utah

Sir:

We submit this Surface Use Development Plan with the APD, Form 3160-3, for the above referenced well and the plan is as follows:

1. To reach the location start in Montezuma Creek, Utah and go .7 mile south and across the San Juan River on paved county road 409 to the junction of County Road 409 and County Road 406; then go east 1.2 miles on County Road 406 to the junction of County Road 406 and County Road 457; then turn left and go 5.9 miles to a junction before Lone Mountain Canyon Wash; then turn right (south) and go 4 miles to the start of the access road to the location by Navajo Tribal 42-2 well of Chuska Energy Company.
2. An access road of approximately 1000' will be constructed from the existing access to the Navajo Tribal 42-2 well of Chuska Energy Company. Two 48" culverts will be placed in the diverted wash next to the location.
3. Superior does not have a current and complete inventory of all existing wells within a one-mile radius of the proposed well, but attached is Plat #3 showing existing wells in the area as our information shows it.
4. Superior proposes to construct production facilities on well location and pipelines to the well if the well is deemed productive. The production facilities will consist of two to four 400 barrel tanks, one 6' X 20' horizontal heater-treater, one 3' X 14' separator, a LACT unit and a gas sales meter. The pipelines will consist of a 4" oil line, a 4" gasline, a 3" waterline and a maintenance road from the well to existing lines south of Lone Mountain Canyon Well 36-34 in SW-1/4SE-1/4, Section 36, T41S, R24E. Some of the pipelines will be buried and each line will be approximately 1350' in length. An electrical powerline will be constructed adjacent and parallel to the pipelines.

## **SUPERIOR OIL**

Page 2

5. Location and type of water supply will be from Superior's McElmo Creek Unit fresh water supply wells near the San Juan River (SW-1/2 Sec. 17, T41S, R25E SLM). Water will be trucked to the location over existing roads and access road to be built.
6. All construction material necessary to build the drilling pad will be obtained from the location and access road. Graveling of the access and/or existing road is not deemed necessary for the drilling of this well. The drainage will be diverted around the west side and north side of the location. The location will be rip-rap with the rock material from the access road as to prevent erosion of the drill pad.
7. Methods of handling waste disposals are as follows:
  - A. A trash or burn pit, an earthen pit 6 to 8 feet deep with steep sides and mesh wire fencing, will be constructed in the northwest corner of the reserve mud pits.
  - B. The reserve mud pits will be located on east side of the location for the drilling mud, cuttings, and fluids. The reserve pit will be fenced on three sides away from the pad while drilling and the fourth side will be fenced as soon as the drilling rig moves out. When drilling operations are complete, the reserve pit will be allowed to dry naturally and then be backfilled, leveled and contoured to the original landscape as much as possible.
  - C. Chemical toilets, meeting OSHA approval, will be provided and maintained during drilling operations.
8. The support facilities consisting of two small mobile homes for use by supervisory personnel of Superior and the drilling contractor will be parked on the west edge of location as shown on the attached Plat #4 Plat #4 during drilling operations. No additional or other ancillary facilities is anticipated at this time.
9. A plat of the proposed drill pad and its location relative to topographic features is attached (see Plat #2). Diagrams showing cross section of cuts and fills, site organization, and drilling rig orientation are contained in Plat #4 and #6.
10. Upon completion of the drilling operations and if the well is deemed dry, then the location and the access road will be cleaned and restored to the original topographical contours as much as possible and reseeded in accordance with the requirements and stipulations of the Bureau of Indian Affairs.

## **SUPERIOR OIL**

Page 3

11. The land at the location and all the land crossed by the access road to be constructed is Navajo Tribal Lands and managed by the Bureau of Indian Affairs.
12. Any additional questions, requests and/or unanticipated developments will be channeled through the appropriate individuals of the BLM & BIA. Superior Oil has not selected a drilling contractor at this time. All dirt contractors bidding for the location construction were in attendance during the pre-drill site inspection.
13. As for the contacts with Superior Oil, the following are company and contract representatives:

Permitting - C. J. Benally  
Construction - C. D. Likes  
Drilling - J. E. Gagneaux

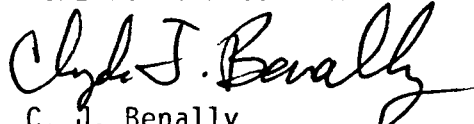
Mailing Address: P. O. Drawer 'G'  
Cortez, Colorado 81321  
Telephone: 303-565-3733 (24 hrs)

Dirt Contractor - Not yet determined.

Drilling Contractor - Not yet determined.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Superior Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. The statement is subject to the provision of 18 U.S.C. 1001 for the filing of a false statement.

SUPERIOR OIL COMPANY

  
C. J. Benally  
Environmental Coordinator

CJB/1h



MINTEL'S. CAPPEM

SUPERVISOR, OIL AND GAS OPERATIONS:

## DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: P.O. Box 146, Window Rock, Arizona 86515  
SERIAL No.: NOO-C-14-20-5119

and hereby designates

NAME: Superior Oil Company  
ADDRESS: 1860 Lincoln Street, 800 Lincoln Tower Bldg.  
Denver, Colorado 80295

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 42 South - Range 24 East, SIM  
Section 1: All  
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

12/21/82

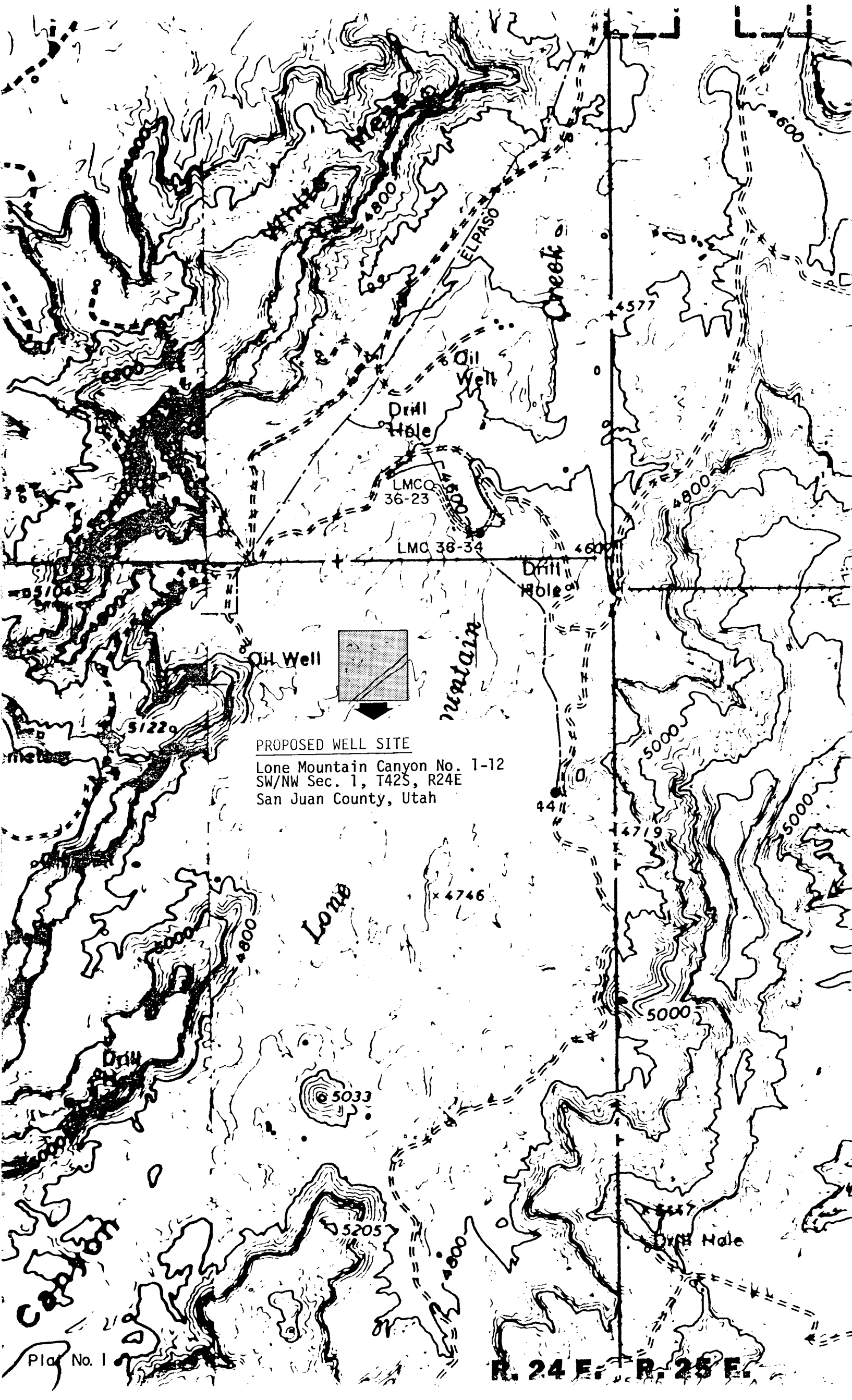
(Date)

  
(Signature of lessee)

Raymond T. Duncan  
1777 South Harrison, Penthouse One  
Denver, Colorado 80210

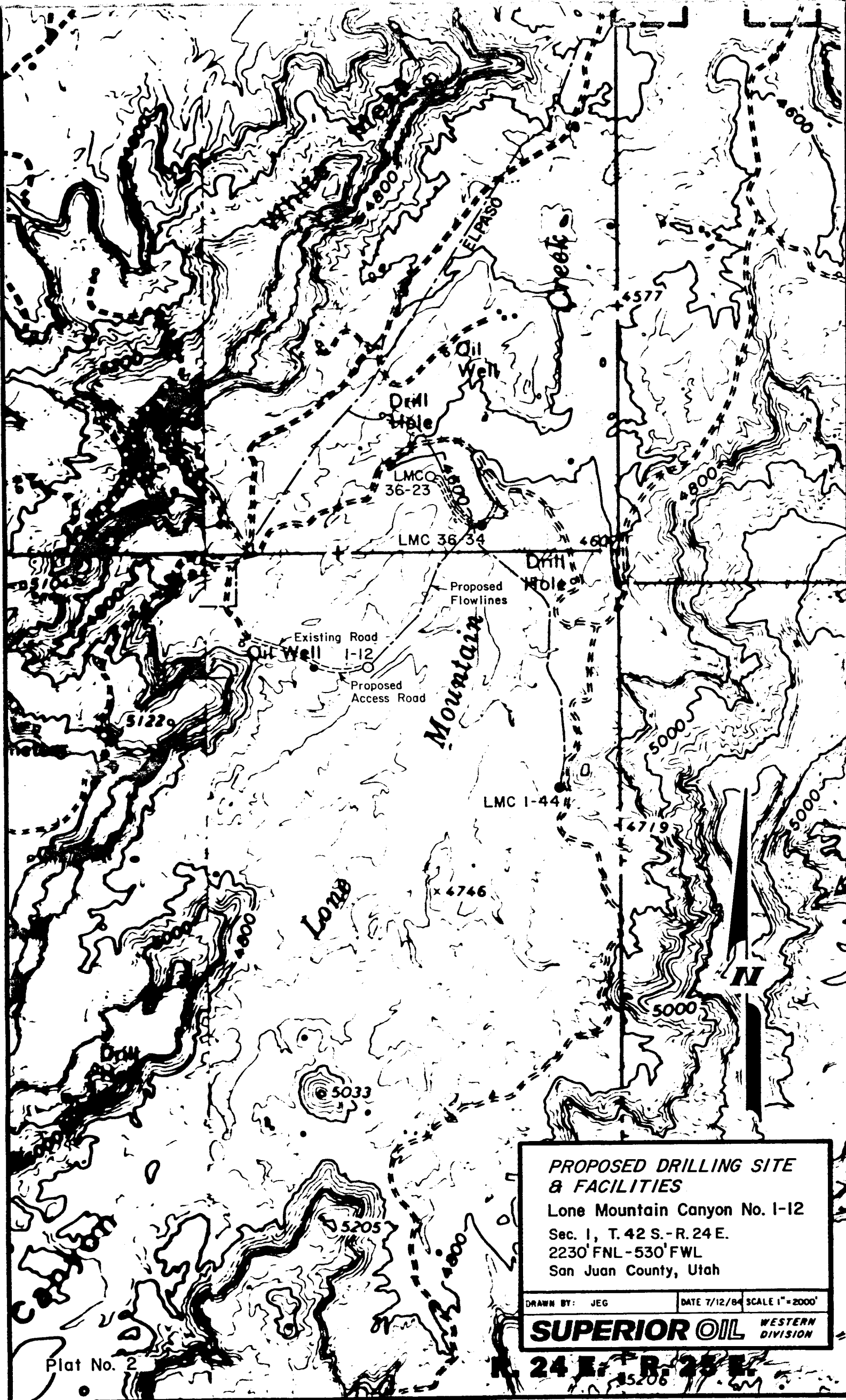
(Address)

DL: 44-2-585-01



PROPOSED WELL SITE

Lone Mountain Canyon No. 1-12  
SW/NW Sec. 1, T42S, R24E  
San Juan County, Utah

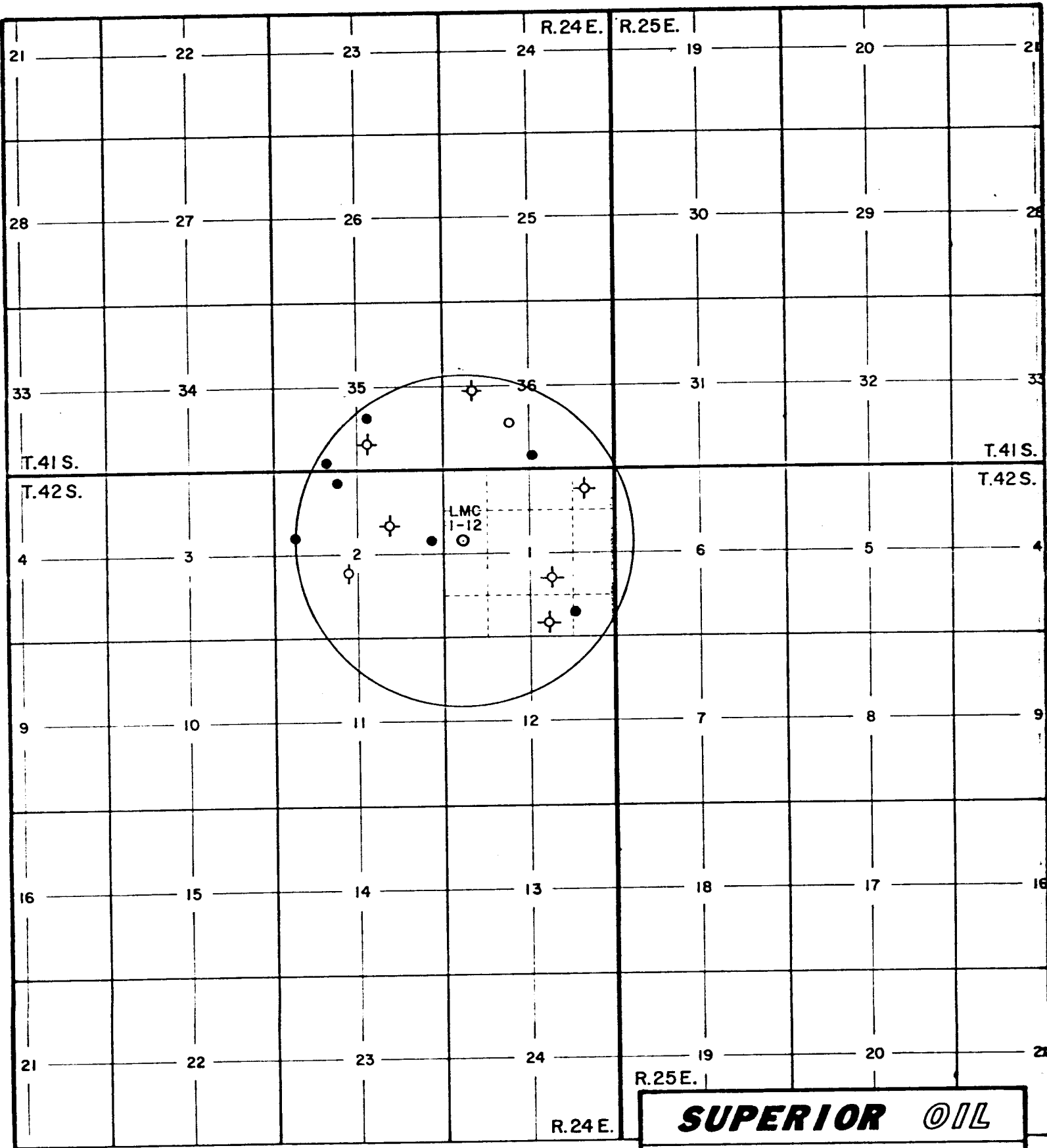


**PROPOSED DRILLING SITE  
& FACILITIES**  
Lone Mountain Canyon No. I-12  
Sec. I, T. 42 S.-R. 24 E.  
2230' FNL-530' FWL  
San Juan County, Utah

DRAWN BY: JEG      DATE 7/12/84      SCALE 1" = 2000'

**SUPERIOR OIL**      WESTERN DIVISION

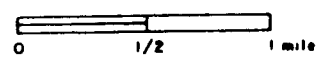
**R. 24 E. R. 25 E.**



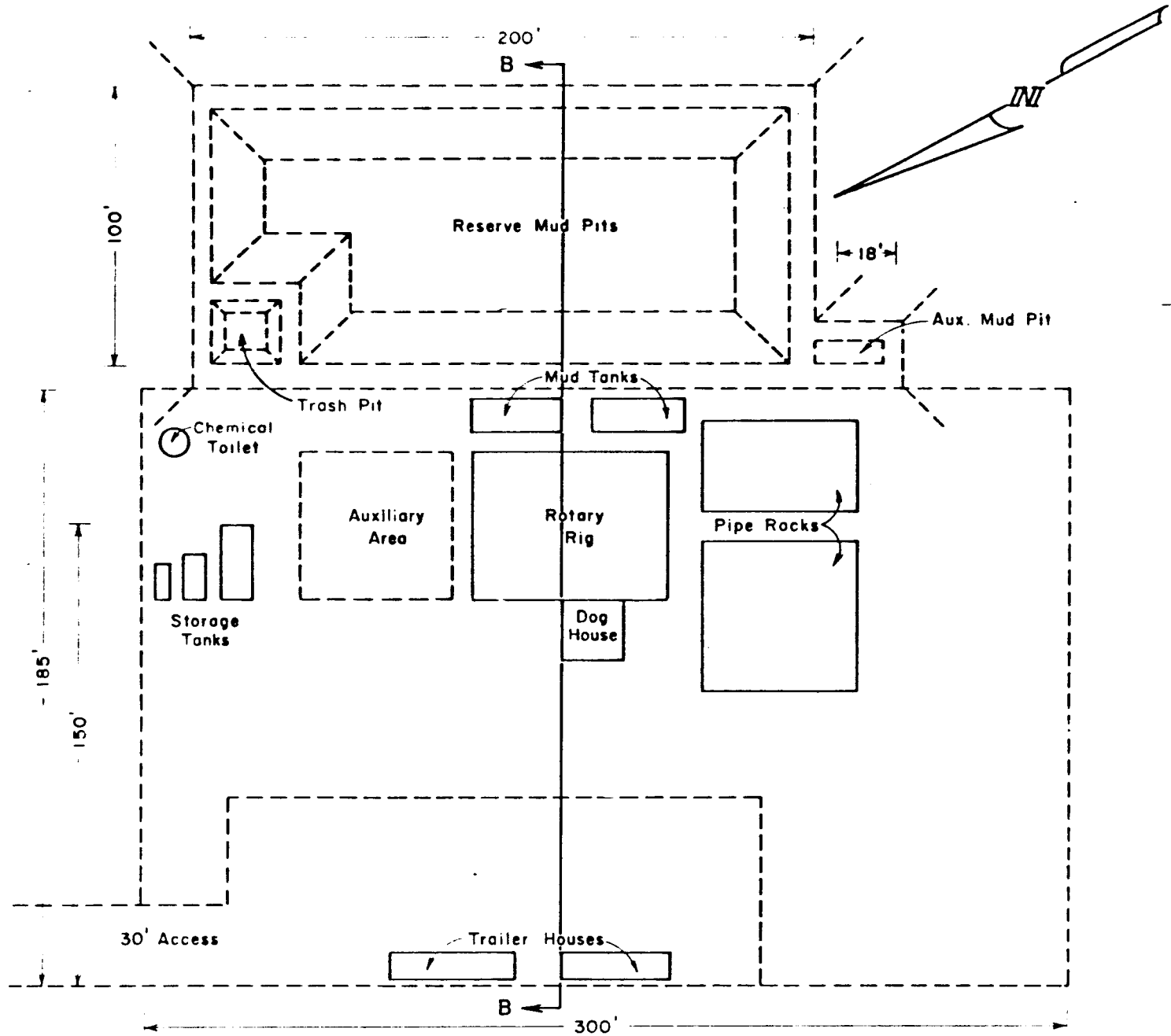
- Proposed Well
- Producing Well
- ☆ Gas Well
- ⊕ Water Injection Well
- ⊖ Temporarily Abandoned
- ⊗ Plugged and Abandoned

**SUPERIOR OIL**

EXISTING WELLS  
SURROUNDING  
PROPOSED WELL

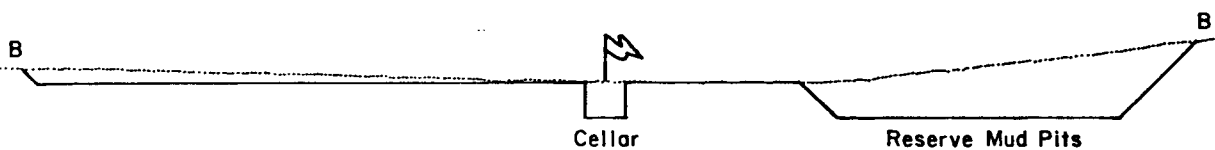





By. JEG Date 7/13/84




The Drilling Pad will be graded and compacted, and composed of native materials.

PROPOSED WELL SITE  
L.M.C. No. 1-12  
Original Elev. 4656'



Original Contour   
Reference Point   
Graded Proposal 

**THE SUPERIOR OIL CO.** 

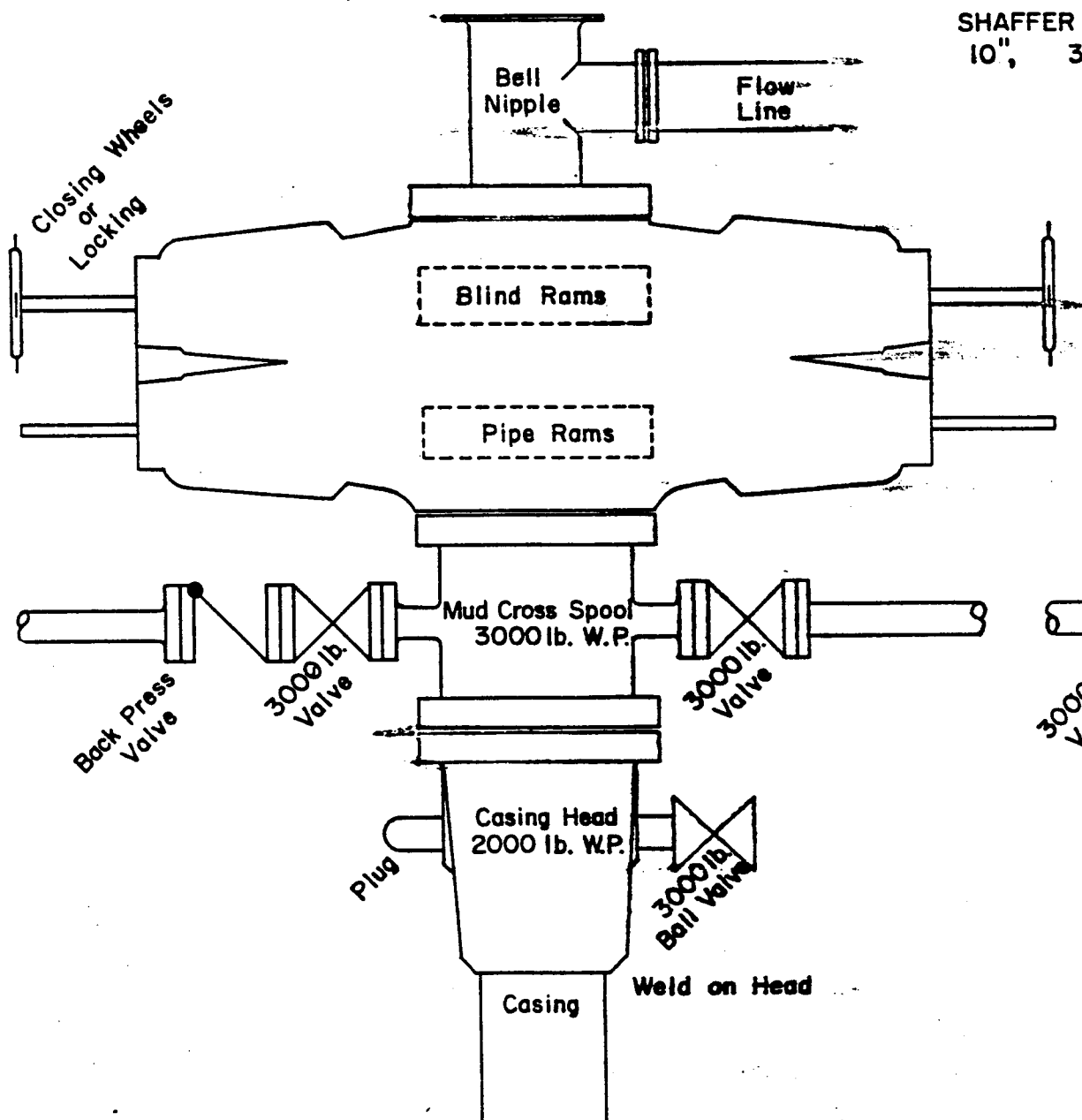
CORTEZ CASPER DISTRICT  
ENGINEERING DEPARTMENT

**RIG LAYOUT & DRILL  
PAD CROSS SECTION**

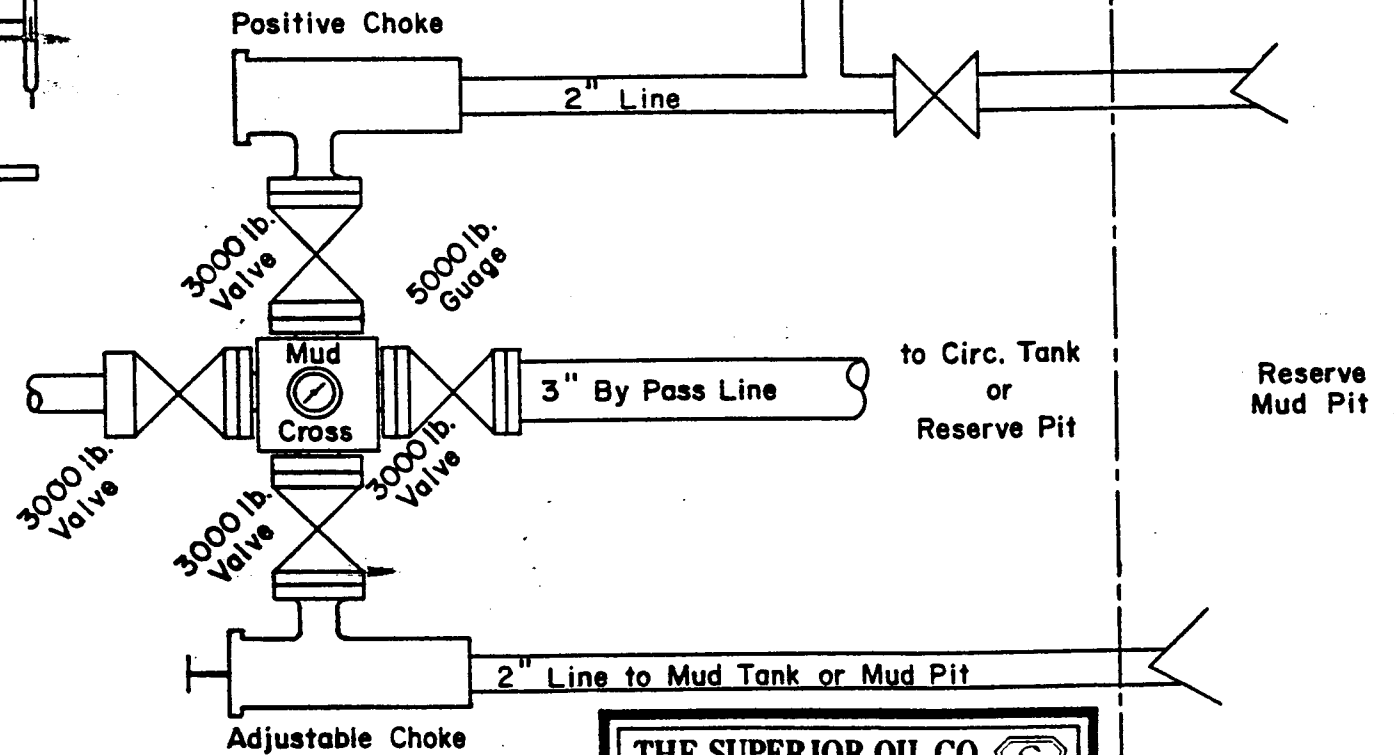
Lone Mountain Canyon No. 1-12  
Sec. 1, T. 42 S. - R. 24 E.  
San Juan County, Utah

BY JEG DATE 7/18/84  
SCALE 1" = 80' REVISED





SHAFFER DOUBLE GATE BLOW OUT PREVENTER  
10", 3000 lb. W.P., 6000 lb. Test, Type E



**THE SUPERIOR OIL CO.**  
CORTEZ - CASPER DISTRICT  
ENGINEERING DEPARTMENT

**SCHEMATIC DIAGRAM  
OF PRESSURE CONTROL  
EQUIPMENT**

BY JEG  
SCALE NONE

DATE 6/25/79  
REVISED

OPERATOR Superior Oil Company DATE 7/31/84  
WELL NAME Lone Mtn Canyon 1-120  
SEC SUNW 1 T 42S R 24E COUNTY San Juan

43-037-31055

API NUMBER

Indian

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

Exception Location

Water Needed per Mary in Priv Office  
no oil wells within 1000 ft

CHIEF PETROLEUM ENGINEER REVIEW:

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☐

c-3-b

☒

c-3-c

SPECIAL LANGUAGE:

1. Water

2. Exc. loc.



☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☒ APPLY SPACING CONSIDERATION

☐ ORDER \_\_\_\_\_

☐ UNIT \_\_\_\_\_

☐ c-3-b

☒ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

☒ VERIFY LEGAL AND SUFFICIENT DRILLING WATER

August 1, 1984

Superior Oil Company  
P. O. Drawer "G"  
Cortez, Colorado 81321

RE: Well No. Lone Mountain Canyon 1-12  
SWNW Sec. 1, T. 42S, R. 24E  
2230' FNL, 530' FWL  
San Juan County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.
2. Submittal to the Division of information justifying the necessity for an exception location and verification of ownership within a radius of 660 feet of the proposed location.

In addition, the following actions are necessary to fully comply with this approval:

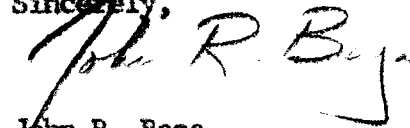
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Eaza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2  
Superior Oil Company  
Well No. Lone Mountain Canyon 1-12  
August 1, 1984

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31055.

Sincerely,

A handwritten signature in dark ink, appearing to read "John R. Baza". The signature is fluid and cursive, with the first name "John" and last name "Baza" clearly distinguishable.

John R. Baza  
Petroleum Engineer

JRB/gl  
cc: Branch of Fluid Minerals  
Enclosures

## DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-037-31055

NAME OF COMPANY: SUPERIOR OILWELL NAME: LONE MOUNTAIN CANYON 1-12SECTION SWNW 1 TOWNSHIP 42S RANGE 24E COUNTY San JuanDRILLING CONTRACTOR ColemanRIG # 2SPUDDED: DATE 9-11-84TIME 11:30 PMHOW RotaryDRILLING WILL COMMENCE REPORTED BY Greg MerrionTELEPHONE # DATE 9-12-84 SIGNED GL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPI  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|   |  |  |                   |
|---|--|--|-------------------|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>N00-C-14-20-5119                |                   |
| 2. NAME OF OPERATOR<br>SUPERIOR OIL COMPANY   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>NAVAJO                         |                   |
| 3. ADDRESS OF OPERATOR<br>P. O. DRAWER 'G', CORTEZ, COLORADO 81321  |  | 7. UNIT AGREEMENT NAME   |                   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br>2230' FNL, 530' FWL of SECTION 1 |  | 8. FARM OR LEASE NAME<br>LONE MOUNTAIN CANYON                          |                   |
| 14. PERMIT NO.<br>43-037-31055  |  | 9. WELL NO.<br>#1-12   |                   |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>KB: 4669'   |  | 10. FIELD AND POOL, OR WILDCAT<br>LONE MOUNTAIN CANYON                 |                   |
|   |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>SEC. 1, T42S, R24E |                   |
|   |  | 12. COUNTY OR PARISH<br>SAN JUAN                                       | 13. STATE<br>UTAH |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

SUBSEQUENT REPORT OF:

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

NOTE: Rec'd verbal approval from Steve Mason on 9-26-84 to plug and abandon the subject well.

Set 100' cmt plug as follows:

1. Ismay top (@ 5183'): 5133' - 5233'.
2. Hermosa top (@ 4330'): 4280' - 4380'.
3. DeChelly top (@ 2358'): 2308' - 2408'.
4. 9-5/8" casing shoe (@ 1348'): 1298' - 1398'.
5. & from 50' to surface.

Install dry hole marker & clean & rehabilitate location.

RECEIVED

OCT 3 1984

DIVISION OF OIL  
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

T. Greg Merrion

TITLE Petroleum Engineer

DATE 10-1-84

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED  
APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

\*See Instructions on Reverse

DATE: 10/18/84

BY: John R. Bay



TICKET NO. 71867200  
01-OCT-84  
FARMINGTON

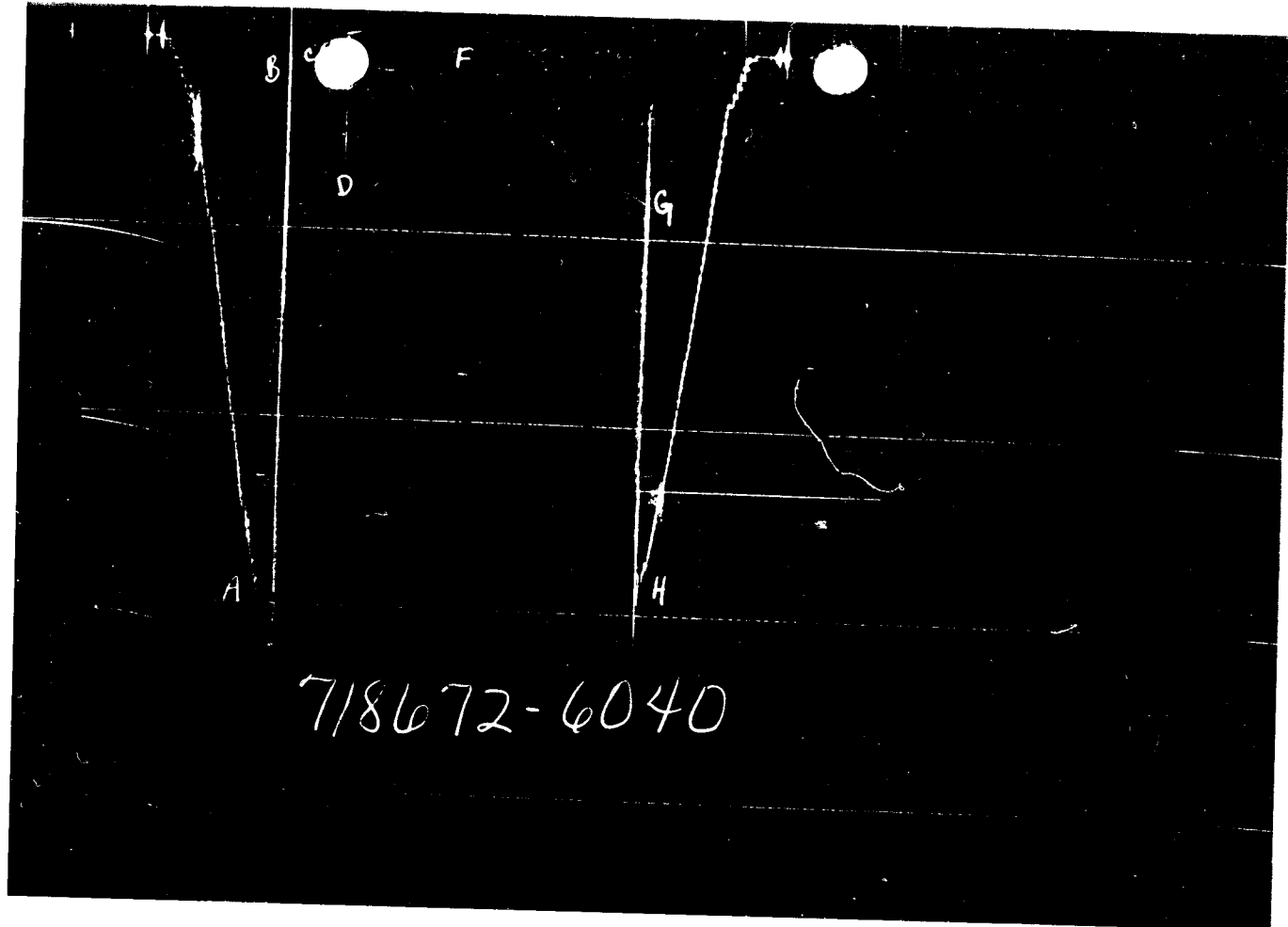
RECEIVED

OCT 4 1984

DIVISION OF DE  
GAS & MINERAL

# FORMATION TESTING SERVICE REPORT

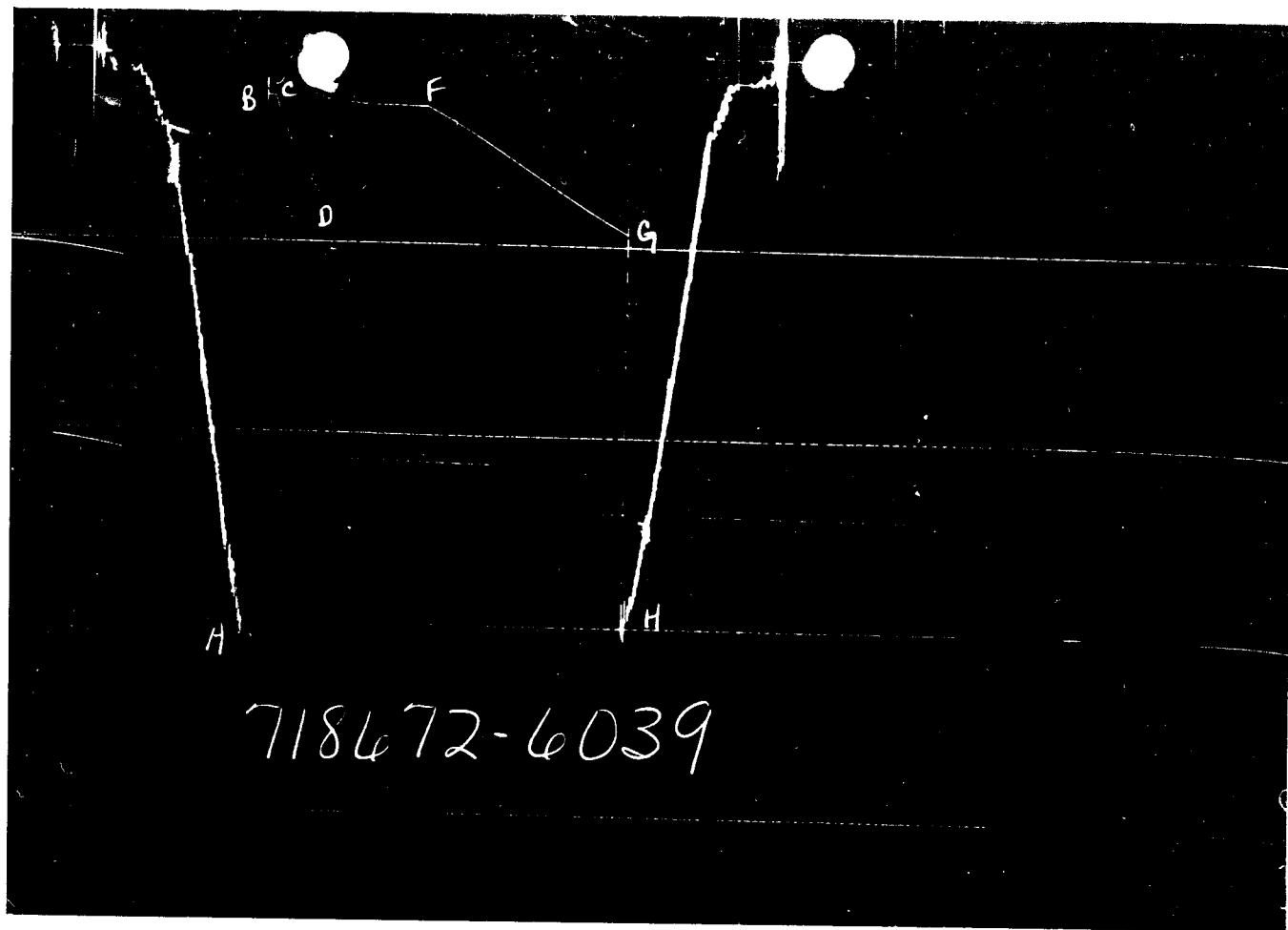
|                                      |           |               |          |                 |                          |
|--------------------------------------|-----------|---------------|----------|-----------------|--------------------------|
| LONE MOUNTAIN CANYON                 |           | 1-12          | 1        | 5338.1 - 5547.1 | SUPERIOR OIL COMPANY     |
| LEASE NAME                           |           | WELL NO.      | TEST NO. | TESTED INTERVAL | LEASE OWNER/COMPANY NAME |
| LEGAL LOCATION<br>SEC. - TWP. - RNG. | 1-42S-24E | FIELD<br>AREA | ANETH    | COUNTY          | SAN JUAN                 |
|                                      |           | STATE         | UTAH     | BG              |                          |



GAUGE NO: 6040 DEPTH: 5316.2 BLANKED OFF: NO HOUR OF CLOCK: 24

| ID | DESCRIPTION              | PRESSURE |            | TIME     |            | TYPE |
|----|--------------------------|----------|------------|----------|------------|------|
|    |                          | REPORTED | CALCULATED | REPORTED | CALCULATED |      |
| A  | INITIAL HYDROSTATIC      | 2885     | 2899.2     |          |            |      |
| B  | INITIAL FIRST FLOW       | 108      | 100.2      | 10.0     | 9.6        | F    |
| C  | FINAL FIRST FLOW         | 108      | 105.4      |          |            |      |
| C  | INITIAL FIRST CLOSED-IN  | 108      | 105.4      | 60.0     | 59.9       | C    |
| D  | FINAL FIRST CLOSED-IN    | 674      | 654.4      |          |            |      |
| E  | INITIAL SECOND FLOW      | 135      | 121.4      | 120.0    | 120.6      | F    |
| F  | FINAL SECOND FLOW        | 148      | 151.8      |          |            |      |
| F  | INITIAL SECOND CLOSED-IN | 148      | 151.8      | 240.0    | 239.5      | C    |
| G  | FINAL SECOND CLOSED-IN   | 808      | 813.0      |          |            |      |
| H  | FINAL HYDROSTATIC        | 2831     | 2831.5     |          |            |      |





GAUGE NO: 6039 DEPTH: 5544.0 BLANKED OFF: YES HOUR OF CLOCK: 24

| ID | DESCRIPTION              | PRESSURE |            | TIME     |            | TYPE |
|----|--------------------------|----------|------------|----------|------------|------|
|    |                          | REPORTED | CALCULATED | REPORTED | CALCULATED |      |
| A  | INITIAL HYDROSTATIC      | 3043     | 3026.0     |          |            |      |
| B  | INITIAL FIRST FLOW       | 214      | 223.6      | 10.0     | 9.6        | F    |
| C  | FINAL FIRST FLOW         | 214      | 230.2      |          |            |      |
| C  | INITIAL FIRST CLOSED-IN  | 214      | 230.2      | 60.0     | 59.9       | C    |
| D  | FINAL FIRST CLOSED-IN    | 757      | 772.5      |          |            |      |
| E  | INITIAL SECOND FLOW      | 241      | 243.3      | 120.0    | 120.6      | F    |
| F  | FINAL SECOND FLOW        | 268      | 273.6      |          |            |      |
| F  | INITIAL SECOND CLOSED-IN | 268      | 273.6      | 240.0    | 239.5      | C    |
| G  | FINAL SECOND CLOSED-IN   | 913      | 930.1      |          |            |      |
| H  | FINAL HYDROSTATIC        | 3016     | 2957.5     |          |            |      |

# EQUIPMENT & HOLE DATA

FORMATION TESTED: DESERT CREEK  
 NET PAY (ft): \_\_\_\_\_  
 GROSS TESTED FOOTAGE: 208.8  
 ALL DEPTHS MEASURED FROM: RKB  
 CASING PERFS. (ft): \_\_\_\_\_  
 HOLE OR CASING SIZE (in): 8.750  
 ELEVATION (ft): 4669  
 TOTAL DEPTH (ft): 5547.0  
 PACKER DEPTH(S) (ft): 5332, 5338  
 FINAL SURFACE CHOKE (in): \_\_\_\_\_  
 BOTTOM HOLE CHOKE (in): 0.750  
 MUD WEIGHT (lb/gal): 10.80  
 MUD VISCOSITY (sec): 54  
 ESTIMATED HOLE TEMP. (°F): \_\_\_\_\_  
 ACTUAL HOLE TEMP. (°F): 124 @ 5543.0 ft

TICKET NUMBER: 71867200

DATE: 9-27-84 TEST NO: 1

TYPE DST: OPEN HOLE

HALLIBURTON CAMP:  
FARMINGTON

TESTER: FREIDLINE  
SMITH

WITNESS: BOHANNON  
 \_\_\_\_\_

DRILLING CONTRACTOR:  
COLEMAN #2

## FLUID PROPERTIES FOR RECOVERED MUD & WATER

| SOURCE       | RESISTIVITY          | CHLORIDES       |
|--------------|----------------------|-----------------|
| SAMPLE _____ | <u>0.860 @ 82 °F</u> | <u>4242</u> ppm |
| TOP _____    | <u>0.860 @ 76 °F</u> | <u>4242</u> ppm |
| BOTTOM _____ | <u>0.850 @ 78 °F</u> | <u>3636</u> ppm |
| PIT _____    | <u>0.840 @ 84 °F</u> | <u>3030</u> ppm |
| _____        | <u> @ °F</u>         | <u> </u> ppm    |
| _____        | <u> @ °F</u>         | <u> </u> ppm    |

## SAMPLER DATA

Pstg AT SURFACE: 0  
 cu.ft. OF GAS: 0.00  
 cc OF OIL: 0  
 cc OF WATER: 0  
 cc OF MUD: 2240  
 TOTAL LIQUID cc: 2240

## HYDROCARBON PROPERTIES

OIL GRAVITY (°API): \_\_\_\_\_ @ \_\_\_\_\_ °F  
 GAS/OIL RATIO (cu.ft. per bbl): \_\_\_\_\_  
 GAS GRAVITY: \_\_\_\_\_

## CUSHION DATA

| TYPE  | AMOUNT | WEIGHT |
|-------|--------|--------|
| _____ | _____  | _____  |
| _____ | _____  | _____  |



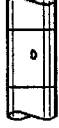















## RECOVERED:

240' OF MUD

MEASURED FROM  
 TESTER VALVE

## REMARKS:



|             |   | O.D.                          | I.D.  | LENGTH | DEPTH  |        |
|-------------|---|-------------------------------|-------|--------|--------|--------|
| 1           |    | DRILL PIPE.....               | 4.500 | 3.826  | 4576.0 |        |
| 3           |    | DRILL COLLARS.....            | 6.250 | 2.250  | 695.6  |        |
| 50          |    | IMPACT REVERSING SUB.....     | 6.000 | 3.000  | 1.0    | 5271.2 |
| 3           |    | DRILL COLLARS.....            | 6.250 | 2.250  | 30.0   |        |
| 5           |    | CROSSOVER.....                | 6.000 | 3.000  | 1.0    |        |
| 13          |    | DUAL CIP SAMPLER.....         | 5.030 | 0.870  | 7.0    |        |
| 60          |    | HYDROSPRING TESTER.....       | 5.000 | 0.750  | 5.0    | 5314.2 |
| 80          |    | AP RUNNING CASE.....          | 5.000 | 2.250  | 4.0    | 5316.2 |
| 15          |    | JAR.....                      | 5.030 | 1.750  | 5.0    |        |
| 16          |    | VR SAFETY JOINT.....          | 5.000 | 1.000  | 3.0    |        |
| 70          |   | OPEN HOLE PACKER.....         | 7.500 | 1.530  | 6.0    | 5332.2 |
| 70          |  | OPEN HOLE PACKER.....         | 7.500 | 1.530  | 6.0    | 5338.2 |
| 5           |  | CROSSOVER.....                | 6.000 | 3.000  | 1.0    |        |
| 3           |  | DRILL COLLARS.....            | 6.250 | 2.250  | 182.8  |        |
| 5           |  | CROSSOVER.....                | 6.250 | 2.250  | 4.0    |        |
| 5           |  | CROSSOVER.....                | 6.000 | 3.000  | 1.0    |        |
| 20          |  | FLUSH JOINT ANCHOR.....       | 5.750 | 3.000  | 15.0   |        |
| 81          |  | BLANKED-OFF RUNNING CASE..... | 5.750 |        | 4.0    | 5544.0 |
| TOTAL DEPTH |   |                               |       |        | 5547.0 |        |

EQUIPMENT DATA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI/ (Other instructio  
verse side)

ATE\*  
re

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|   |   |  |
|---|---|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> P & A   | <b>RECEIVED</b><br><b>OCT 17</b><br><b>DIVISION OF OIL GAS &amp; MINING</b> | 5. LEASE DESIGNATION AND SERIAL NO.<br>N00-C-14-20-5119                |
| 2. NAME OF OPERATOR<br>Superior Oil Company   |   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>Navajo                         |
| 3. ADDRESS OF OPERATOR<br>P.O. Drawer "G", Cortez, CO 81321   |   | 7. UNIT AGREEMENT NAME   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br>2230' FNL; 530' FWL; Section 1 |   | 8. FARM OR LEASE NAME<br>Lone Mountain Canyon                          |
| 14. PERMIT NO.  | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>KB: 4669'; GR: 4656'      | 9. WELL NO.<br>#1-12   |
|   |   | 10. FIELD AND POOL, OR WILDCAT<br>Lone Mountain Canyon                 |
|   |   | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 1, T42S, R24E |
|   |   | 12. COUNTY OR PARISH<br>San Juan                                       |
|   |   | 13. STATE<br>Utah  |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
(Other) ☐

PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
ABANDON\* ☐  
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐  
FRACTURE TREATMENT ☐  
SHOOTING OR ACIDIZING ☐  
(Other) ☐

REPAIRING WELL ☐  
ALTERING CASING ☐  
ABANDONMENT\* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

9-28-84: Plug #1: 38 sx (45 cu.ft.) Class 'D' cement + 2% CaCl<sub>2</sub> from 5138'-5238'.  
Plug #2: 38 sx (45 cu.ft.) Class 'D' cement + 2% CaCl<sub>2</sub> from 4280'-4380'.  
Plug #3: 38 sx (45 cu.ft.) Class 'D' cement + 2% CaCl<sub>2</sub> from 2308'-2408'.  
Plug #4: 52 sx (61 cu.ft.) Class 'B' cement + 2% CaCl<sub>2</sub> from 1258'-1358'.  
Spotted 50 sx (59 cu.ft.) Class 'B' cement from 0'-62'.

Installed dry hole marker and cleaned location.

**ACCEPTED**  
**APPROVED BY THE STATE**  
**OF UTAH DIVISION OF**  
**OIL, GAS, AND MINING**  
DATE: 10/18/84  
BY: John P. Bay

18. I hereby certify that the foregoing is true and correct

SIGNED

David B. Jensen  
DAVID B. JENSEN

TITLE ENGINEER

DATE 10/11/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. PRESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Superior Oil Company

3. ADDRESS OF OPERATOR

P.O. Drawer "G", Cortez, CO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface Sec. 1, 2230' FNL; 530' FWL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. DATE ISSUED

43-037-31055 8-1-84

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)

9-11-84

9-24-84

N/A

18. ELEVATIONS (DF, RKB, RT, GB, ETC.)\*

KB: 4669'; GL: 4656'

19. ELEV. CASINGHEAD

4657'

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\*

5547'

Surface

23. INTERVALS DRILLED BY

0'-5547'

CABLE TOOLS

None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

No

~~DIL-SFL-GR~~, ~~LDT-CNL-GR~~, ~~BHC-Sonic-GR-CAL~~, HDT

CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD                 | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|----------------------------------|---------------|
| 13-3/8"     | 54.5            | 120'           | 17 1/2"   | 150 sx (175) "B" + 2% CaCl       | TDC: 70'      |
| 9-5/8"      | 36              | 1348'          | 12 1/4"   | 500 sx (770) Lite + 0.4% A-2 and |               |
|             |                 |                |           | 150 sx (175) "B" + 2% CaCl       | TOC: 1275'    |
|             |                 |                |           | 100 sx (117) "B" + 3% CaCl       |               |

| SIZE | TOP (MD) | BOTTOM (MD) | BACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|------|----------------|-----------------|
|      |          |             |               |             |      |                |                 |
|      |          |             |               |             |      |                |                 |

| PERFORATION RECORD (Interval, size and number) | ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |
|--|--|
|  | DEPTH INTERVAL (MD)                        |
|  | AMOUNT AND KIND OF MATERIAL USED           |
|  |  |
|  |  |
|  |  |

PRODUCTION

33. DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

N/A

9-28-84

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW, TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED David B. Jensen TITLE ENGINEER DATE 10/22/84

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

27. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | TOP   |  |
|-----------|-----|--------|-----------------------------|---|--|
|           |     |        |                             | NAME  | TRUE VERT. DEPTH   |
|           |     |        |                             | MEAS. DEPTH   | TRUE VERT. DEPTH   |
|           |     |        |                             | DeChelly<br>Organ Rock<br>Hermosa<br>Ismay<br>Lower Ismay<br>Gothic<br>Desert Creek<br>Chimney Rock | 2358'<br>2638'<br>4330'<br>5183'<br>5304'<br>5343'<br>5367'<br>5498' |



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI  
(Other construct  
verse side)

TP  
1A

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NOO-C-14-20-3119

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Lone Mountain Canyon

9. WELL NO.

#1-12

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLE. AND  
SURVEY OR AREA

Sec. 1, T24S, R24E, S1M

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Superior Oil Company

3. ADDRESS OF OPERATOR

P.O. Drawer "G", Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

Sec. 1, 2230' FNL; 530' FNL

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, RT, GR, etc.)

KB: 4669'; GL: 4656'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

9-14-84: Spudded 12¼" hole.

9-12-84: Opened to 17½". Set 13-3/8", 54.50#, K-55, ST&C casing at 120'. Cemented w/150 sx (175 cu.ft.) Class "B" + 2% CaCl. Circulated good cement.

9-13-84: Ran 9-5/8", 36#, K-55 ST&C casing to 1348'. Cemented w/500 sx (770 cu.ft.) Lite + 10 #/sk Gilsonite + 0.4% A-2 and 150 sx (175 cu.ft.) Class "B" + 2% CaCl. Did not circulate cement. Pumped 100 sx (117 cu.ft.) Class "B" + 3% CaCl down annulus.

9-24-84: Reached TD of 5547'; 8-3/4" hole.

9-25-84: Ran open hole logs.

9-27-84: Ran DST from Lower Ismay 5339'-5547'. Well plugged to surface w/cement plug as follows:

38 sx Class "D" + 2% CaCl 5238'-5138'

38 sx Class "D" + 2% CaCl 4280'-4380'

38 sx Class "D" + 2% CaCl 2308'-2408'

9-28-84: 52 sx (61 cu.ft.) Class "B" + 2% CaCl 1258'-1358'. Spotted 40 sx Class "B" to surface.

18. I hereby certify that the foregoing is true and correct

SIGNED

DAVID B. JENSEN

TITLE

ENGINEER

DATE

10/22/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI  
(Other instructio  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|  |  |  |
|--|--|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   | <b>RECEIVED</b><br><b>OCT 29 1984</b><br><b>DIVISION OF OIL GAS &amp; MINING</b> | 5. LEASE DESIGNATION AND SERIAL NO.<br>NOO-C-14-20-5119                |
| 2. NAME OF OPERATOR<br>Superior Oil Company  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>Navajo                         |
| 3. ADDRESS OF OPERATOR<br>P.O. Drawer "G", Cortez, CO 81321  |  | 7. UNIT AGREEMENT NAME   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.<br>See also space 17 below.)<br>At surface<br><br>2230' FNL; 530' FWL; Section 1 |  | 8. FARM OR LEASE NAME<br>Lone Mountain Canyon                          |
| 14. PERMIT NO.   | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>KB: 4669'; GR: 4656'           | 9. WELL NO.<br>1-12  |
|  |  | 10. FIELD AND POOL, OR WILDCAT<br>Lone Mountain Canyon                 |
|  |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 1, T42S, R24E |
|  |  | 12. COUNTY OR PARISH<br>San Juan                                       |
|  |  | 13. STATE<br>Utah  |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO:                      |   | SUBSEQUENT REPORT OF:                          |  |
|--|---|--|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>        | REPAIRING WELL <input type="checkbox"/>          |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>    | ALTERING CASING <input type="checkbox"/>         |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input checked="" type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         | (Other) <u>Drilling</u>                        |  |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

9-11-84 Spud 12 $\frac{1}{4}$ " hole. Opened to 17 $\frac{1}{2}$ "

9/12/84 Set 13-3/8", 54.5#, K-55 ST&C casing at 120'. Cemented w/150 sx (175 cu.ft.) "B" + 2% CaCl.

9/13/84 Ran 9-5/8", 36#, K-55 ST&C casing at 1348'. Cemented w/500 sx (770 cu.ft.) Lite + 10 pps gilsonite + 0.4% A-2 and 150 sx (175 cu.ft.) "B" + 2% CaCl.

9/24/84 Reached TD at 5547'. Ran open hole logs.

9/28/84 Ran DST from 5339'-5547'.

Will plug and abandon well as per BLM requirements.

18. I hereby certify that the foregoing is true and correct

SIGNED DAVID B. JENSEN TITLE ENGINEER DATE 10/29/84  
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



STATE OF UTAH  
NATURAL RESOURCES  
Water Rights

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dee C. Hanson, State Engineer

453 South Carbon Avenue • P.O. Box 718 • Price, UT 84501 • 801-637-1303

RECEIVED

031811

APR 12 1985

April 10, 1985

DIVISION OF OIL  
GAS & MINING

The Superior Oil Company  
Attn: Bill Edwards  
P.O. Drawer G  
Cortez, Colorado 81321

Re: Temporary Change Application 85-09-4

Dear Mr. Edwards:

The above referenced Temporary Change Application has been approved. A copy is herewith enclosed for your records and information.

If you have any questions, please feel free to contact me.

Sincerely,

Mark P. Page  
Area Engineer  
for Robert L. Morgan, P.E.  
State Engineer

Enclosure

RLM/MPP/mjk

RECEIVED

APR 12 1985

APPLICATION NO. 85-09-4  
DISTRIBUTION SYSTEM.DIVISION OF OIL  
GAS & MININGApplication For Temporary Change of Point of Diversion,  
Place or Purpose of Use  
STATE OF UTAH

RECEIVED

(To Be Filed in Duplicate)

APR 5 1985

WATER RIGHTS

CORTEZ, COLORADO  
PlaceMARCH 29  
Date1985  
PRICEFor the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use  
(Strike out written matter not needed)of water, the right to the use of which was acquired by 29718(a-3777), 09-229, Cert. No. 8446  
(Give No. of application, title and date of Decree and Award No.)to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of  
facts, submitted in accordance with the requirements of the Laws of Utah. No 920

1. The owner of right or application is THE SUPERIOR OIL COMPANY
2. The name of the person making this application is The Superior Oil Co.
3. The post office address of the applicant is P.O. Drawer G, Cortez, Co. 81321

## PAST USE OF WATER

4. The flow of water which has been used in second feet is 6.45
5. The quantity of water which has been used in acre feet is .....
6. The water has been used each year from January 1 to December 31 incl.  
(Month) (Day) (Month) (Day)
7. The water has been stored each year from ..... to ..... incl.  
(Month) (Day) (Month) (Day)
8. The direct source of supply is Underground water (22 wells) San Juan County.
9. The water has been diverted into ..... ditch  
canal at a point located see attached sheet
10. The water involved has been used for the following purpose: secondary oil recovery

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

Total ..... acres.

## THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

11. The flow of water to be changed in cubic feet per second is .....
12. The quantity of water to be changed in acre-feet is 4.0
13. The water will be diverted into the ..... ditch  
canal at a point located see attached sheet from the collection point of the wells listed on the attachment.
14. The change will be made from April 5 19 85 to April 5 19 86  
(Period must not exceed one year)
15. The reasons for the change are source of water for exploratory drilling of three (3) wells
16. The water involved herein has heretofore been temporarily changed 0 years prior to this application.

(List years change has been made)

17. The water involved is to be used for the following purpose: exploratory drilling fluid for 3 wells to be drilled at the following locations: 1180' FNL, 500' FWL, Sec. 1, 2230' FNL, 530' FWL, Sect. 1, 2000' FSL, 650' FWL, Sec. 1, T24S, R24E, SLM, San Juan Co, Utah

NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

## EXPLANATORY

FNL = from north line; FWL = from west line, etc.

- Well LMC 1-11: S. 1180 ft. & E. 500 ft. from NW Cor. Sec. 1, T42S, R24E, SLB&M. 43-037-31083
- Well LMC 1-12: S. 2000 ft. & E. 650 ft. from NW Cor. Sec. 1, T42S, R24E, SLB&M. 43-037-3105
- Well LMC 1-13: S. 2230 ft. & E. 530 ft. from NW Cor. Sec. 1, T42S, R24E, SLB&M. no well #
- Aneth Quad

A filing fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

Signature of Applicant

# RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of \$5.00. Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:

State Engineer  
State Capitol Building  
Salt Lake City, Utah

## STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No. \_\_\_\_\_ (River System)

1. N.A. Application received by Water Commissioner \_\_\_\_\_ (Name of Commissioner)

Recommendation of Commissioner \_\_\_\_\_

2. APR 14, 1985 Application received over counter by mail in State Engineer's Office by [Signature]

3. \_\_\_\_\_ Fee for filing application, \$5.00, received by \_\_\_\_\_; Rec. No. \_\_\_\_\_

4. \_\_\_\_\_ Application returned, with letter, to \_\_\_\_\_, for correction.

5. \_\_\_\_\_ Corrected application resubmitted over counter by mail to State Engineer's Office.

6. \_\_\_\_\_ Fee for investigation requested \$ \_\_\_\_\_

7. \_\_\_\_\_ Fee for investigation \$ \_\_\_\_\_, received by \_\_\_\_\_; Rec. No. \_\_\_\_\_

8. \_\_\_\_\_ Investigation made by \_\_\_\_\_; Recommendations: \_\_\_\_\_

9. \_\_\_\_\_ Fee for giving notice requested \$ \_\_\_\_\_

10. \_\_\_\_\_ Fee for giving notice \$ \_\_\_\_\_, received by \_\_\_\_\_; Rec. No. \_\_\_\_\_

11. \_\_\_\_\_ Application approved for advertising by publication mail by \_\_\_\_\_

12. \_\_\_\_\_ Notice published in \_\_\_\_\_

13. \_\_\_\_\_ Notice of pending change application mailed to interested parties by \_\_\_\_\_ as follows:

14. \_\_\_\_\_ Change application protested by \_\_\_\_\_ (Date Received and Name)

15. \_\_\_\_\_ Hearing set for \_\_\_\_\_, at \_\_\_\_\_

16. 4-9-85 Application recommended for rejection approval by [Signature]

17. 4-9-85 Change Application rejected approved and returned to Applicant

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Mark P. [Signature]  
State Engineer

